

920 applied to any one of the anode segments 203a, 203b, 203c, or 203d to modify the current density across the seed layer on the substrate.

IN THE DRAWINGS:

Applicants have proposed drawing amendments in a separate document. The proposed corrections are also shown on the attached copy of the amended drawing.

IN THE CLAIMS:

Please cancel claims 9, 17, and amend the claims as follows:

1. An anode to be used with a metal deposition system containing a cathode, the anode comprising:
a plurality of anode segments; and
an electrical source coupled to each of the anode segments.

921 2. (Amended) The anode of claim 1, wherein at least two of the plurality of anode segments have substantially coplanar upper segment surfaces.

3. The anode of claim 1, wherein at least two of the plurality of anode segments are aligned with a common axis.

4. The anode of claim 1, wherein at least two of the plurality of anode segments are not aligned with a common axis.

922 5. (Amended) The anode of claim 1, further comprising insulating members that connect adjacent segments of the plurality of anode segments to each other.

6. The anode of claim 1, wherein each of the plurality of anode segments is constructed from copper or a copper alloy.

7. (Amended) The anode of claim 1, wherein each one of the plurality of anode segments is closer to a distinct portion of the cathode than the rest of the cathode.

923 8. (Amended) The anode of claim 1, wherein at least one of the anode segments is cylindrical.

9. (Canceled) A method of supplying electricity to an anode formed from a plurality of anode segments, each one of the plurality of anode segments have a different radius, the method comprising:

- applying electricity to an inner one of said plurality of anode segments;
- waiting for a prescribed duration; and
- applying electricity to each next inner one of said plurality of anode segments.

10. (Canceled) The method of supplying electricity to the anode as set forth in claim 9, wherein a period of said waiting for a prescribed duration is based upon an electric field generated by a cathode interacting with said anode.

11. (Canceled) The method of supplying electricity to the anode as set forth in claim 10, wherein said cathode is a substrate.

12. (Canceled) The method of supplying electricity to the anode of claim 9, wherein at least two of the plurality of anode segments are aligned with a common axis.

13. (Canceled) The method of supplying electricity to the anode of claim 9, wherein at least two of the plurality of anode segments are not aligned with a common axis.

14. (Canceled) A method of supplying electricity to an anode formed from a plurality of anode segments to be spaced from a cathode, the method comprising:
sensing the electric fields generated by the anode; and

controlling the electricity supplied to different ones of the plurality of anode segments in response to the sensed electric fields.

15. (Canceled) The method of claim 14, wherein each one of the plurality of anode segments is physically closest to a distinct portion of the cathode.

16. (Canceled) A computer readable medium that stores software that, when executed by a processor, causes a system to supply electricity to an anode formed from a plurality of anode segments to be spaced from a cathode, the software executed by the processor performs a method comprising:

- applying electricity to an inner one of said plurality of anode segments;
- waiting for a prescribed duration; and
- applying electricity to each next inner one of said plurality of anode segments.

17. (Canceled) The method of claim 16, wherein each one of the plurality of anode segments is physically closest to a distinct portion of the cathode,

Please add the following new claims:

18. (New) The anode of claim 1, wherein at least two of the plurality of anode segments have substantially coplanar lower segment surfaces.

19. (New) The anode of claim 5, wherein the insulating members are formed of an insulative material that limits electric current passing between adjacent anode segments such that each anode segment can be individually electrically biased to a separate potential.

20. (New) The anode of claim 1, wherein at least one of the anode segments is rectangular.

21. (New) The anode of claim 1, wherein at least one of the anode segments can be repositioned.

Sub 22. (New) An electrolytic cell, comprising:
an anode and a cathode, the anode comprising:
a plurality of anode segments; and
an electrical source coupled to each of the anode segments; and
an anode base wherein the anode is mounted to at least one anode support mounted on the anode base.

23. (New) The electrolytic cell of claim 22, further comprising a controller connected to the electrical source.

24. (New) The electrolytic cell of claim 22, further comprising a hydrophilic membrane.

25. (New) The electrolytic cell of claim 22, wherein each anode support is connected to at least one of the anode segments.

26. (New) The electrolytic cell of claim 22, further comprising insulating members that connect adjacent segments of the plurality of anode segments to each other, and the insulating members and the anode support maintain each of the anode segments fixed in position relative to the anode base.

REMARKS

This is intended as a full and complete response to the Restriction Requirement dated October 2, 2001, having a shortened statutory period for response set to expire on November 2, 2001. Please enter the following amendments and reconsider the claims pending in the application for reasons discussed below.